

Hilgeland
Kieserling
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Nutap

Heavy-Duty High-Speed Wire Nail Machine in Inline Operation with a Rotary Threading Machine for the Production of Nails with Profiled Shaft



**NAILMASTER +
THREADMASTER**

NAILMASTER + THREADMASTER

▼ Transfer of nails from the NAILMASTER to the extended transport system

▼ Extended transport system for a synchronized and position-oriented transfer of the nails to the threading machine



Our Accomplishments for your Benefit

- Machine combination without interconnected conveyor technology
- Increased productivity and a higher product variety
- Space-saving concept, very high output rate
- Functional ergonomics guarantee user-friendliness
- Adjustable matching point

Design Features

- Up to 1,400 threaded nails per minute
- Space-saving plant concept
- No conveyor systems between nail machine and threading machine (no handling)
- Easy set-up due to jog mode

Machine structure

- Process-controlled nail production on WAFIOS NAILMASTER
- Extended transport system for a synchronized and position-orientated nail transfer
- Sorting chute to avoid tool breakage during faults
- New, servomotor-driven feeder
- Cone-shaped roller shaft for easy mounting of tools - excellent access to tool area
- Closed oil lubrication circuit to lubricate and cool the roller shaft bearing
- No extensive conveyor system between nail machine and threading machine

Tools

- Threading tools defined by WAFIOS for screw- and ring-shank-nails
- Threading ring without keyway for a perfect concentric run-out
- Simply designed feeder tools
- Matching point easily adjustable
- Use of reliable tools made of tungsten carbide for the production of nails on the NAILMASTER

Energy efficiency

- Ready-to-install threaded wire nails, cutting waste separated without exhaust unit
- Optimized forming process during profiling
- No conventional conveyor technology

▼ Servomotor-driven feeder



Performance, Diversity and Profitability - WAFIOS NAILMASTER in Inline Operation with the THREADMASTER

New standards concerning output, productivity and user-friendly handling

The direct interlinking of WAFIOS NAILMASTER + THREADMASTER produces ready-to-install threaded nails in a minimum of space. Due to the extended transport system of the machine, no conveyor bunkers and vibrating bowls are needed anymore.

The combination of the new, patented feeder principle and threading tools designed by WAFIOS, allows the production of consistently good, premium-quality rings and threaded nails.

Time and cost advantages can be achieved through ready-to-install, clean, profiled or threaded nails which can be further processed without any additional cleaning operation.

The upright arrangement of all essential parts and the complete tool area creates un-paralleled operator comfort through exceptional accessibility by the machine operator.

High machine availability due to short set-up times, easy change of thread-rolling tools and defined set-up parameters.

Quality

For more than 100 years the name WAFIOS has stood for the highest in terms of quality expectations, safety standards and technical innovation in German manufacturing systems engineering.

Reliability

Strict quality controls, state-of-the-art production systems and many years of experience guarantee that your investment is in safe hands. Our global service network ensures high availability of WAFIOS machinery.

Efficiency

High production output and a long service life will save money and shorten the amortization time of your investment.



▲ Threading machine with defined set-up parameters



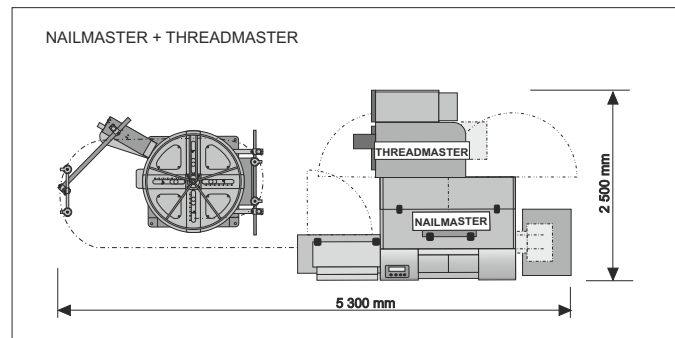
▲ Threading tool with perfectly concentric run-out



▲ Compact plant design

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Technical Data	NAILMASTER + THREADMASTER
Wire diameter Wire tensile strength max.	2.4 - 3.8 mm 900 N/mm ²
Wire nail length (different dimensions on request)	50 - 100 mm
Output	max. 1,400 pcs. / min.



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The specifications are not binding as
these could vary on account of technical
developments.
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